

L Number	Hits	Search Text	DB	Time stamp
1	175	raehse-wilfried.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 09:45
2	6	baur-dieter.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 09:46
3	40	pichler-werner.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 09:47
4	275	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer or surface) same (active or enzym\$4 or bleach\$3 or activator or detergent or deterative or tenside or surfactant or protease or lipase or amylase or cellulase) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or group or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 10:46
5	23	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (active or enzym\$4 or bleach\$3 or activator or detergent or deterative or tenside or surfactant or protease or lipase or amylase or cellulase) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 10:54
6	23	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (active or enzym\$4 or bleach\$3 or activator or detergent or deterative or tenside or surfactant or protease or lipase or amylase or cellulase) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 10:56
7	8	510/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 11:01
8	15	424/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 11:04
9	1	435/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 11:06

10	2	252/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 11:07
11	343	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic) and (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 12:00
12	43	510/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 12:56
13	24	252/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 12:59
14	22	435/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:00
15	107	424/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (polyhydroxy\$6 or hydroxy\$6) near6 (fatty adj1 acid or ricinoleic or octadecanoic or dodecanoic or pentadecanoic or heptadecanoic or palmitic or stearic or lauric or oleic or linoleic or linolenic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:05
16	220	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same ricinoleic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:06
17	67	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same ricinoleic same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:16
18	94	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (ricinoleic or ricinoleate) same (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:20
19	28	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (ricinoleic or ricinoleate) near6 (transition or lanthanoid or lanthanide or cobalt or nickel or copper or zinc or co or ni or cu or zn)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:17
20	354	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same (ricinoleic or ricinoleate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:43
21	605	(encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same hydroxy\$6 near6 (stearic or stearate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:45
22	4	510/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same hydroxy\$6 near6 (stearic or stearate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:46

23	4	252/\$.ccls. and (encapsulat\$3 or coat\$3 or sprayed or spraying or microencapsulat\$3 or macroencapsulat\$3 or outer) same hydroxy\$6 near6 (stearic or stearate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 13:48
24	221	(enzym\$4 or protease or lipase or cellulase or amylse or bleach\$3 or activator or precursor or percarbonate or perborate or taed or nobs) same (ricinoleic or ricinoleate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 14:03
25	987	(enzym\$4 or protease or lipase or cellulase or amylse or bleach\$3 or activator or precursor or percarbonate or perborate or taed or nobs) same (hydroxy\$6 or polyhydroxy\$6) near6 (dodecanoic or octadecanoic or hexadecanoic or heptadecanoic or lauric or stearic or palmitic or fatty adj1 acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 14:06
26	234	(enzym\$4 or protease or lipase or cellulase or amylse or bleach\$3 or activator or precursor or percarbonate or perborate or taed or nobs) near6 (hydroxy\$6 or polyhydroxy\$6) near6 (dodecanoic or octadecanoic or hexadecanoic or heptadecanoic or lauric or stearic or palmitic or fatty adj1 acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 14:06
27	27	(enzym\$4 or protease or lipase or cellulase or amylse or bleach\$3 or activator or precursor or percarbonate or perborate or taed or nobs) same (hydroxy\$6 or polyhydroxy\$6) near6 (dodecanoic or octadecanoic or hexadecanoic or heptadecanoic or lauric or stearic or palmitic or fatty adj1 acid) near6 (salt or polyvalent or transition or lanthanoid or lanthanide or copper or cobalt ot nickel or zinc)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/09/14 14:08

DERWENT-ACC-NO: 1989-235306

DERWENT-WEEK: 198933

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TITLE: Detergent additive for preventing colour change during washing - contains soluble polymers based on N-vinyl-pyrrolidone, -imidazole or -oxazolidone, and cationic cpds.

INVENTOR: JACOBS, J; POCHANDKE, W ; WEBER, R

PATENT-ASSIGNEE: HENKEL KGAA[HENK]

PRIORITY-DATA: 1988DE-3803630 (February 6, 1988)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 327927 A	August 16, 1989	F	005	N/A
DE 3803630 A	August 17, 1989	N/A	000	N/A
DK 8900489 A	August 7, 1989	N/A	000	N/A

DESIGNATED-STATES: AT BE CH DE ES FR IT LI NL

CITED-DOCUMENTS: A3...199038; DE 114606 ; EP 203486 ; EP 265257 ; No-SR.Pub

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
EP 327927A	N/A	1989EP-0101618	January 31, 1989
DE 3803630A	N/A	1988DE-3803630	February 6, 1988

INT-CL (IPC): B01J002/10, C11D003/37

ABSTRACTED-PUB-NO: EP 327927A

BASIC-ABSTRACT:

Washing material additive (I) contains at least partly water-soluble polymeric components (II) based on N-vinylpyrrolidone (N-VP) and/or N-vinylimidazole and/or N-vinyloxazolidone and/or water-soluble and/or -insol. cationic cpds. (III). (I) is produced by mixing polymer (II) and cationic cpd. (III) and opt. Zn ricinoleate (IV) with addn. of water to form an aggregate, pref. in the form of granules, drying with hot air to a free-flowing prod. opt. spraying in a fluid bed with a soln. of an acid gp-contg. polymer (V) and redrying. A washing material contg. 0.5-10 (pref. 1-5) wt. % (I) is claimed.

(I) is in the form of particles, pref. granules, and pref. also contains an acid gp-contg. polymer component (V) which is concentrated on the surface, pref. as an at least partial coating (V) is acrylic acid homo- or co-polymer, and (I) contains 1-10 (pref. 2-5) wt.% (V); (I) also contains (IV); (I) contains N-VP base polymer and (III) in the wt. ratio from 10:1 to 50:1 pref. 30:1 to 40:2; a fluid-bed mixer or, pref., a mixing granulator is used, drying processes are carried out by injecting hot air at up to 80 deg.C to reduce the residual water content to not above 15 wt.%.

USE/ADVANTAGE - Addn. of (I) to detergents prevents dyes or brightening agents being transferred from coloured textiles to uncoloured textiles during washing, without the formation of unacceptable odours (which occurs with prior-art additives for this purpose).

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: DETERGENT ADDITIVE PREVENT COLOUR CHANGE  
WASHING CONTAIN SOLUBLE  
POLYMER BASED N VINYL PYRROLIDONE IMIDAZOLE  
OXAZOLIDINONE CATION  
COMPOUND

DERWENT-CLASS: A97 D25

CPI-CODES: A04-D05; A04-D08; A12-W12A; D11-A02; D11-B12; D11-B19;  
D11-D03;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1740U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 0409 0410 2318 2424 2427 2437 2509 2541 2585 2701 2726 0906  
0908 0936 0909 0937

Multipunch Codes: 014 034 04- 074 075 076 101 316 393 398 431 434 443 477 57-  
575 583 589 603 678 688 014 034 04- 074 075 076 101 103 27& 316 393 398 431 434  
443 477 57- 575 583 589 603 678 688 720 014 034 04- 074 075 076 101 103 28& 316  
393 398 431 434 443 477 57- 575 583 589 603 678 688 720

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1989-104729

PAT-NO: JP408053341A

DOCUMENT-IDENTIFIER: JP 08053341 A

TITLE: FOAMABLE BATHING AGENT

PUBN-DATE: February 27, 1996

INVENTOR-INFORMATION:

NAME

MIURA, TAKAO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

EARTH CHEM CORP LTD

N/A

APPL-NO: JP06187597

APPL-DATE: August 9, 1994

INT-CL (IPC): A61K007/50, A61K007/00

ABSTRACT:

**PURPOSE:** To obtain a bathing agent capable of bubbling an appropriate size of bubbles irrespective of the kind of the propellant therein and its formulation and also capable of efficiently being defoamed without uncomfortable feeling, by encapsulating a bathing agent ingredient and specific surfactant(s) in a spray vessel.

**CONSTITUTION:** This bathing agent is obtained by encapsulating, in a spray vessel, (A) a bathing agent ingredient and (B) 0.1-10wt.% of surfactant(s) selected from compounds of the formula RCOOM [R is a coconut oil fatty acid, palm (stone) oil fatty acid, castor oil fatty acid, ricinoleic acid, undecylenic acid, etc.; M is H, Na, K, HN(CH<SB>2</SB>CH<SB>2</SB>O)<SB>3</SB>,

NH<sub>4</sub> or HN(CH<sub>3</sub>)<sub>3</sub>], compounds of the formula  
ROCH<sub>2</sub>CH<sub>2</sub>OCOOM, compounds of the formula  
ROPO<sub>3</sub>2M,  
compounds of the formula ROCH<sub>2</sub>CH<sub>2</sub>OPO<sub>3</sub>2M,  
compounds  
of formula I, compounds of formula II, compounds of formula III or their  
mixtures.

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PAT-NO: JP404322703A

DOCUMENT-IDENTIFIER: JP 04322703 A

TITLE: TREATING AGENT OF COATING MATERIAL MIST

PUBN-DATE: November 12, 1992

INVENTOR-INFORMATION:

NAME

TAKADA, MAKOTO

SANADA, ATSUO

MIZUNO, YASUNOBU

ASSIGNEE-INFORMATION:

NAME

NEOS CO LTD

COUNTRY

N/A

APPL-NO: JP03076025

APPL-DATE: April 9, 1991

INT-CL (IPC): B01D021/01, B05B015/12, C02F001/56, C09K003/00

US-CL-CURRENT: 524/399

ABSTRACT:

**PURPOSE:** To effectively decrease stickiness of a residual coating material mist and to prevent the mist from sticking in a treating process line to enhance recovery of the coating material by incorporating a cationic water soluble high molecular coagulant and a metallic soap into the treating agent.

**CONSTITUTION:** A treating agent of the coating material mist containing a metallic soap, which flocculates the coating material mist and acts to make the coating material mist containing large quantity of thinner to bring higher

stickiness unsticky by using jointly a cationic water soluble high molecular coagulant and a cationic high molecular coagulant which act to catch and flocculate the coating material mist to form coating sludge is obtained. A cationic modified product of an acrylic polymer, a polycondensation product of a polyamine and an epoxide compound, a nitrogen containing vinyl polymer are preferably used as a cationic water soluble coagulant. And an oil soluble metal salt of a 4-22C carboxylic acid such as caproic acid, 2-methylbutanoic acid, 3-hexenoic acid, ricinoleic acid or the like and Al, Ni, Fe or the like is suitably used as the metallic soap.

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DERWENT-ACC-NO: 1998-172090

DERWENT-WEEK: 199816

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TITLE: Enzyme containing granule for production of drugs and foods, etc. - produced using low melting point substances, enzyme powder and water dispersible or water soluble powder

PATENT-ASSIGNEE: KAO CORP[KAOS]

PRIORITY-DATA: 1996JP-0197458 (July 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 10033170 A	February 10, 1998	N/A	005	C12N 009/98

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 10033170A	N/A	1996JP-0197458	July 26, 1996

INT-CL (IPC): B01J002/28, C12N009/98

ABSTRACTED-PUB-NO: JP 10033170A

BASIC-ABSTRACT:

Enzyme containing granule is produced with water dispersible or water-soluble powder adhered onto the surface of a granule of core particles of low m.pt. substance with enzyme powder adhered onto it. Also claimed is production of the granule using low m.pt. substances, enzyme powder and water dispersible or water soluble powder.

Production preferably comprises heating a mixture of low m.pt. substance particles and enzyme powder to above the m. pt. of the low m. pt. substance to granulate the mixture and then cooling the granulate under stirring in the presence of a water dispersible or water soluble powder. The low m. pt.

substance particles have a m. pt. of 30-100 deg. C and a mean particle diameter of 50-1200  $\mu$  m. The substances include monoglyceride or diglyceride or polycarboxylic acid ester, sorbitan fatty acid ester, polyglycerine fatty acid ester, polyglycerine-condensed ricinoleic acid ester and/or recitin. The water dispersible or water soluble powder includes powdery cellulose, silicon dioxide, lactose, starch, carbonates and/or phosphates with a mean particle diameter of 0.1-100  $\mu$  m. The enzyme powder is protease.

USE - The granule is used for production of drugs, foods and detergents.

ADVANTAGE - The granule has good enzyme activity.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ENZYME CONTAIN GRANULE PRODUCE DRUG FOOD  
PRODUCE LOW MELT POINT

SUBSTANCE ENZYME POWDER WATER DISPERSE WATER SOLUBLE  
POWDER

DERWENT-CLASS: B04 D13 D16 D21

CPI-CODES: B04-L01; B12-M11D; D03-H; D05-A02; D05-A02C; D08-B;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M781 M903 Q220 Q233 Q273 R032 V802 V810

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-055128

DERWENT-ACC-NO: 2002-676531

DERWENT-WEEK: 200273

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TITLE: Agents for use in dishwashers contain a non-alkali metal  
salt of a hydroxylated fatty acid or of a resin acid  
(especially zinc ricinoleate) as an odor absorber

INVENTOR: BAYERSDOERFER, R; LEFEV, A

PATENT-ASSIGNEE: HENKEL KGAA[HENK]

PRIORITY-DATA: 2000DE-1060533 (December 6, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1213344 A2	June 12, 2002	G	031	C11D 003/20
DE 10060533 A1	June 20, 2002	N/A	000	C11D 001/04

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU  
LV MC MK  
NL PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
EP 1213344A2	N/A	2001EP-0128078	November 27, 2001
DE 10060533A1	N/A	2000DE-1060533	December 6, 2000

INT-CL (IPC): C11D001/04, C11D003/20, C11D009/00, C11D015/00,  
C11D017/00, C11D017/04

ABSTRACTED-PUB-NO: EP 1213344A

BASIC-ABSTRACT:

NOVELTY - Use is claimed in machine dishwasher agents (especially those used in

the rinsing stage) of non-alkali metal salts (I) of optionally unsaturated, mono- or poly-hydroxylated at least 8C fatty acids and/or of resin acids.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) Rinsing agents containing (I).
- (2) Particulate rinsing agents comprising by wt. (I) (0.1-70%), together with:
  - (a) carrier (0-65%),
  - (b) covering material of melting point above 50 deg. C (30-70%),
  - (c) fat(s) (0-65%) and
  - (d) further active agents or aids (0-50%).
- (3) Builder-containing shaped bodies containing (I) at 0.5-60 (especially 5-30) wt. %.
- (4) Multi-phase shaped bodies composed as in (2).
- (5) A container which is hung in the dishwasher and which is (at least on one side) permeable to a composition containing (I).

USE - In dishwashing machines.

ADVANTAGE - The 'liquor odor' occurring when the machine is opened is minimized or removed.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: AGENT DISHWASHER CONTAIN NON ALKALI METAL SALT  
HYDROXYLATED FATTY  
ACID RESIN ACID ZINC RICINOLEATE ABSORB

DERWENT-CLASS: A97 D25 E19

CPI-CODES: A12-W12B; D11-A01A1; D11-D01A; E05-L03C; E10-C04A; E10-C04B;  
E10-C04D4; E10-C04D5;

CHEMICAL-CODES:

STN

10/7 90,470

=> d his

(FILE 'HOME' ENTERED AT 14:17:32 ON 14 SEP 2004)

FILE 'CA' ENTERED AT 14:18:07 ON 14 SEP 2004

L1 31 S (ENCAPSULAT? OR COAT? OR ENCAS? OR ENVELOP? OR SPRAY? OR  
OUTE  
L2 4 S (ENCAPSULAT? OR COAT? OR ENCAS? OR ENVELOP? OR SPRAY? OR  
OUTE  
L3 17 S (ENCAPSULAT? OR COAT? OR ENCAS? OR ENVELOP? OR SPRAY? OR  
OUTE  
L4 20 S (ENCAPSULAT? OR COAT? OR ENCAS? OR ENVELOP? OR SPRAY? OR  
OUTE  
L5 0 S (BLEACH? OR ACTIVATOR OR ENZYM? OR PROTEASE OR CELLULASE OR  
L

FILE 'USPATFULL' ENTERED AT 14:43:07 ON 14 SEP 2004

L6 17 S L2  
L7 24 S L5

=>

=> s (encapsulat? or coat? or encas? or envelop? or spray? or  
outer) (p) (active or enzyme or bleach? or activator) (p) (polyhydroxy? or  
hydroxy?) (3w) (fatty acid or octadecanoic or stearic or stearate or palmitic  
or lauric) (p) salt

45870 ENCAPSULAT?  
951763 COAT?  
3816 ENCAS?  
55887 ENVELOP?  
221564 SPRAY?  
148930 OUTER  
807409 ACTIVE  
702150 ENZYME  
74836 BLEACH?  
85570 ACTIVATOR  
17474 POLYHYDROXY?  
1120028 HYDROXY?  
333533 FATTY  
3825408 ACID  
184936 FATTY ACID  
(FATTY(W)ACID)  
13820 OCTADECANOIC  
63024 STEARIC  
64773 STEARATE  
35472 PALMITIC  
16837 LAURIC  
713460 SALT

L2 4 (ENCAPSULAT? OR COAT? OR ENCAS? OR ENVELOP? OR SPRAY? OR  
OUTER) (  
P) (ACTIVE OR ENZYME OR BLEACH? OR ACTIVATOR) (P) (POLYHYDROXY?  
OR  
HYDROXY?) (3W) (FATTY ACID OR OCTADECANOIC OR STEARIC OR  
STEARATE  
OR PALMITIC OR LAURIC) (P) SALT

=> d 1-4 12 ti

L2 ANSWER 1 OF 4 CA COPYRIGHT 2004 ACS on STN  
TI Stabilized solid mosapride dosage forms

L2 ANSWER 2 OF 4 CA COPYRIGHT 2004 ACS on STN  
TI Pharmaceutical composition with antibacterial activity and method for its  
preparation

L2 ANSWER 3 OF 4 CA COPYRIGHT 2004 ACS on STN  
TI Erythromycin derivative-containing medicine for treatment for or  
prevention of tuberculosis

L2 ANSWER 4 OF 4 CA COPYRIGHT 2004 ACS on STN  
TI Encapsulated active ingredient for use in odor-free granular detergents  
and cleaning compositions

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s (encapsulat? or coat? or encas? or envelop? or spray? or  
outer) (p) (ricinoleic or ricinoleate) (5a) (salt or polyvalent or lanthanide# or  
lanthanoid# or transition or copper or cobalt or nickel or zinc)

45870 ENCAPSULAT?  
951763 COAT?  
3816 ENCAS?  
55887 ENVELOP?  
221564 SPRAY?  
148930 OUTER  
3523 RICINOLEIC  
1915 RICINOLEATE  
713460 SALT  
9676 POLYVALENT  
39536 LANTHANIDE#  
2117 LANTHANOID#  
826424 TRANSITION  
808153 COPPER  
336803 COBALT  
554176 NICKEL  
526186 ZINC

L4 20 (ENCAPSULAT? OR COAT? OR ENCAS? OR ENVELOP? OR SPRAY? OR  
OUTER) (  
LANTHANI P) (RICINOLEIC OR RICINOLEATE) (5A) (SALT OR POLYVALENT OR  
DE# OR LANTHANOID# OR TRANSITION OR COPPER OR COBALT OR NICKEL  
OR ZINC)

=> d 1-20 14 ti

L4 ANSWER 1 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Deodorizing compositions containing zinc ricinoleate and at least one  
basic amino acid

L4 ANSWER 2 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Encapsulated active ingredient for use in odor-free granular detergents  
and cleaning compositions

L4 ANSWER 3 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Epoxy resin-hardener compositions, their production and their use

L4 ANSWER 4 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Investigations on zinc ricinoleate as odor absorber with molecular  
dynamic  
calculations

L4 ANSWER 5 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Two-component sprayable polyurethane coatings for mechanical devices

L4 ANSWER 6 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Spray disinfectant composition for odorous air treatment

L4 ANSWER 7 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Deodorants bsed on zinc ricinoleate

L4 ANSWER 8 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Sodium percarbonate with coatings for good stability and solubility

L4 ANSWER 9 OF 20 CA COPYRIGHT 2004 ACS on STN

TI Foaming bath preparation sprays containing surfactants

L4 ANSWER 10 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Metallic soap resin-containing self-polishing antifouling coatings

L4 ANSWER 11 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Self-polishing antifouling metallic soap resin coating compositions

L4 ANSWER 12 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Expandable granular thermoplastic resin compositions for oil-resistant molded containers for foods

L4 ANSWER 13 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Rust inhibitors

L4 ANSWER 14 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Lubricant finishes for synthetic fibers

L4 ANSWER 15 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Expanded knowledge on the use of modified zinc ricinoleate in cosmetics

L4 ANSWER 16 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Coating steel products

L4 ANSWER 17 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Release coatings

L4 ANSWER 18 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Adducts of anhydrides of aromatic polybasic acids and fatty acid esters

L4 ANSWER 19 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Removal of formaldehyde odor from textiles

L4 ANSWER 20 OF 20 CA COPYRIGHT 2004 ACS on STN  
TI Stencil sheet

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=> s (bleach? or activator or enzym? or protease or cellulase or lipase or amylase) (p) (polyhydroxy? or hydroxy?) (3w) (fatty acid# or octadecanoic or stearic or stearate or palmitic or lauric) (5a) (salt or polyvalent or zinc)

74836 BLEACH?  
85570 ACTIVATOR  
999813 ENZYM?  
80583 PROTEASE  
16463 CELLULASE  
41810 LIPASE  
42280 AMYLASE  
17474 POLYHYDROXY?  
1120028 HYDROXY?  
333533 FATTY  
4290068 ACID#  
295022 FATTY ACID#  
          (FATTY (W) ACID#)  
13820 OCTADECANOIC  
63024 STEARIC  
64773 STEARATE  
35472 PALMITIC  
16837 LAURIC  
713460 SALT  
9676 POLYVALENT  
526186 ZINC

L5           0 (BLEACH? OR ACTIVATOR OR ENZYM? OR PROTEASE OR CELLULASE OR  
ACID#           LIPASE OR AMYLASE) (P) (POLYHYDROXY? OR HYDROXY?) (3W) (FATTY  
LAURIC) (5A       OR OCTADECANOIC OR STEARIC OR STEARATE OR PALMITIC OR  
                  ) (SALT OR POLYVALENT OR ZINC)

=>

L8 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN  
 AN 137:21806 CA  
 ED Entered STN: 04 Jul 2002  
 TI Fatty acid salts as odor-absorbing agents in dishwashing detergents or  
 rinse compositions  
 IN Bayersdoerfer, Rolf; Lefev, Anette  
 PA Henkel Kommanditgesellschaft Auf Aktien, Germany  
 SO Eur. Pat. Appl., 31 pp.  
 CODEN: EPXXDW

DT Patent  
 LA German  
 IC ICM C11D003-20  
 ICS C11D017-04; C11D017-00  
 CC 46-6 (Surface Active Agents and Detergents)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1213344	A2	20020612	EP 2001-128078	20011127
<--	EP 1213344	A3	20030604		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	DE 10060533	A1	20020620	DE 2000-10060533	20001206
PRAI	DE 2000-10060533	A	20001206		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 1213344	ICM	C11D003-20
	ICS	C11D017-04; C11D017-00
EP 1213344	ECLA	C11D003/00B14; C11D003/20E1; C11D017/00D; C11D017/00H8T8; C11D017/00H8T2

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AB Dishwashing detergents and rinse aids contain metal salts of C>8  
 (un)saturated  
 linear or branched hydroxy-cong. fatty acids or metal salts of rosin  
 acids  
 (with a proviso), preferably Zn ricinoleate and/or Zn abietate as  
 odor-absorbing agents (no examples).  
 ST zinc ricinoleate odor absorbent dishwashing detergent; odor absorbent  
 zinc  
 abietate dishwashing rinse aid  
 IT Detergents  
 (dishwashing, solids; fatty acid salts as odor-absorbing agents in  
 dishwashing detergents or rinse compns.)  
 IT Deodorants  
 (fatty acid salts as odor-absorbing agents in dishwashing detergents  
 or  
 rinse compns.)  
 IT Solvents  
 (fatty acid salts as odor-absorbing agents in dishwashing detergents  
 or  
 rinse compns. containing nonionic surfactants and)  
 IT Surfactants  
 (nonionic; fatty acid salts as odor-absorbing agents in dishwashing  
 detergents or rinse compns. containing solvents and)  
 IT Detergents  
 (rinse aids, granular; fatty acid salts as odor-absorbing agents in

dishwashing detergents or rinse compns.)  
IT Fatty acids, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(salts, C>8, hydroxy-containing, odor absorbents; fatty acid salts as  
odor-absorbing agents in dishwashing detergents or rinse compns.)  
IT 6798-76-1, Zinc abietate  
RL: NUU (Other use, unclassified); USES (Uses)  
(fatty acid salts as odor-absorbing agents in dishwashing detergents  
or  
rinse compns.)  
IT 13040-19-2, Zinc ricinoleate  
RL: NUU (Other use, unclassified); USES (Uses)  
(odor-absorbing agent; fatty acid salts as odor-absorbing agents in  
dishwashing detergents or rinse compns.)

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